

CLAIMS

1. A reserve battery comprising:
 - a cell stack of electrodes;
 - a liquid reserve ampoule including the electrolyte;
 - an activating system;
 - a housing in which the said cell-stack, ampoule and activating system are placed;
 - wherein the cell-stack of electrodes has an annular shape, and
 - wherein the ampoule is placed at the centre of this said annular cell-stack, and wherein the activating system breaks the ampoule at a predetermined acceleration.
2. The reserve battery according to claim 1, wherein the activating system comprises means to protect the ampoule from vibrations and shocks.
3. The reserve battery according to claim 1, wherein the activating system comprises a weight glued on the top of the ampoule and/or a hanging device to which the ampoule is hung with means to release the ampoule at the said predetermined acceleration.
4. The reserve battery according to claim 3, wherein the hanging device comprises a vibration and shocks protection means.
5. The reserve battery according to claim 2, wherein the activating system comprises a weight glued on the top of the ampoule and/or a hanging device to which the ampoule is hung with means to release the ampoule at the said predetermined acceleration.
6. The reserve battery according to claim 5, wherein the hanging device comprises a vibration and shocks protection means.
7. The reserve battery according to claim 2 wherein the hanging device is a plate with a predetermined form, some edges of this form retaining the hanging device in the top of battery housing.

8. The reserve battery according to claim 7, wherein the hanging device is enough big for pushing the edges against the housing and enough small for releasing the hanging device from the housing at the said predetermined acceleration.
9. The reserve battery according to claim 1, wherein the activating system comprises a support over which the ampoule is stood up, edges linked only to the support by breaking means.
10. The reserve battery according to claim 9, wherein the vibration and shocks protection means is made of a flexible material.
11. The reserve battery according to claim 2, wherein the activating system comprises a support over which the ampoule is stood up, edges linked only to the support by breaking means.
12. The reserve battery according to claim 11, wherein the vibration and shocks protection means is made of a flexible material.
13. The reserve battery according to claim 1, wherein the electrolyte liquid contained by the ampoule comprises thionylchloride and bromine.
14. The reserve battery according to claim 1, wherein the cell-stack comprises an annular grid on a plate over which a mixed powder comprising carbon and tetrafluoroethylene is put, a glass fiber foil layer and a layer comprising lithium.
15. The reserve battery according to claim 3, wherein the said predetermined acceleration is greater equal to the acceleration of a projectile fuze during transport or loading.
16. The reserve battery according to claim 5, wherein the said predetermined acceleration is greater equal to the acceleration of a projectile fuze during transport or loading.

17. The reserve battery according to claim 6, wherein the said predetermined acceleration is greater equal to the acceleration of a projectile fuze during transport or loading.
18. The reserve battery according to claim 1, wherein the said predetermined acceleration is greater equal to the acceleration of a projectile fuze during transport or loading.
19. Use of a reserve battery according to claim 1, in a projectile fuze.
20. Use of a reserve battery according to claim 3, in a projectile fuze.
21. Use of a reserve battery according to claim 7, in a projectile fuze.